



# Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

## SMALL GRAIN HARVEST UNDERWAY

Oat and barley harvests were underway as warm, dry weather promoted the ripening of small grain crops during the past week, according to USDA, NASS, Minnesota Field Office. Corn silking advanced 27 percentage points and soybeans setting pods advanced ten percentage points, also aided by the warm weather.

The average temperature for the week was 69.7°, 0.6° below normal. Statewide topsoil moisture supplies as of Friday, July 25<sup>th</sup> were 6 percent very short, 22 short, 70 adequate, and 2 surplus. Statewide, on average, there were 6.0 days suitable for fieldwork during the week.

As of Sunday, July 27<sup>th</sup>, the average corn height was estimated at 70 inches compared to 87 inches last year and 73 inches for the 5-year average. Thirty-four percent of corn was silking compared to 96 percent last year and 85 percent average.

The average height of soybeans was 21 inches compared to 27 inches last year and 21 inches for the 5-year average. Seventy-one percent of soybeans were blooming compared to 86 percent last year and 86 percent average.

Spring wheat was 44 percent ripening compared to 86 percent last year and 69 percent average. Barley was 53 percent ripening compared to 94 percent last year and 78 percent average. One percent of barley was harvested compared to 29 percent last year and 12 percent average. Oats were 59 percent ripening compared to 94 percent last year and 86 percent average. Four percent of oats were harvested compared to 45 percent last year and 25 percent average.

As of Friday, July 25<sup>th</sup>, 73 percent of corn and 74 percent of soybeans were rated in good or excellent condition.

Eighty-six percent of spring wheat, 75 percent of barley, and 75 percent of oats were rated in good or excellent condition.

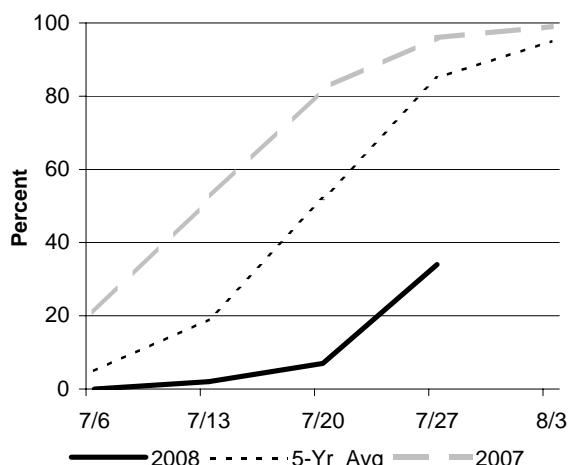
Sixty-eight percent of dry beans, 77 percent of sunflowers, 76 percent of canola, and 55 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.0				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	6	22	70	2

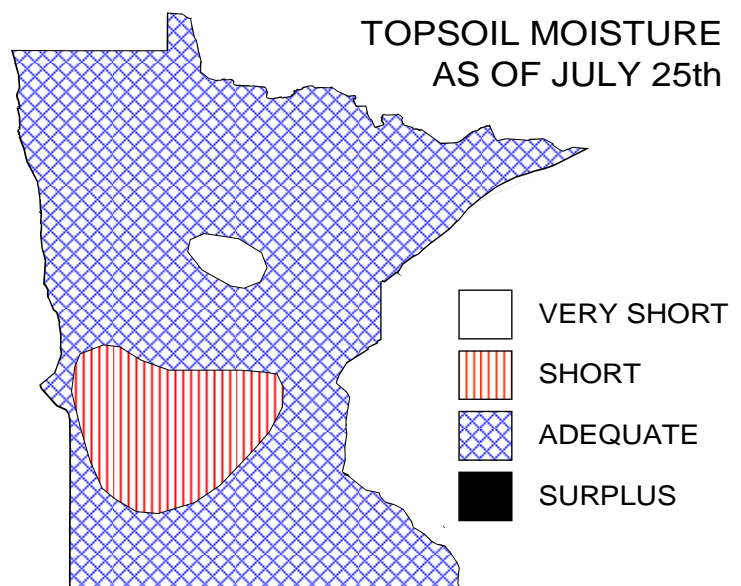
Crop Progress as of July 27, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (inches)	70	59	87	73
	Silking	34	7	96	85
Soybeans	Height (inches)	21	17	27	21
	Blooming	71	50	86	86
Spring Wheat	Setting Pods	10	N/A	47	34
	Heading	97	90	100	99
Barley	Ripening	44	23	86	69
	Heading	95	85	100	99
Oats	Ripening	53	18	94	78
	Harvested	1	0	29	12
Potatoes	Heading	97	95	100	100
	Ripening	59	36	94	86
	Harvested	4	1	45	25
	Harvested	1	N/A	1	0

Crop Condition as of July 25, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	2	4	21	59	14
Soybeans	2	4	20	60	14
Spring Wheat	1	1	12	51	35
Barley	1	2	22	51	24
Oats	1	2	22	56	19
Potatoes	0	2	11	40	47
Sugarbeets	1	2	29	47	21
Dry Beans	1	2	29	55	13
Sunflowers	1	3	19	56	21
Canola	0	4	20	46	30
Pasture	2	11	32	51	4

CORN SILKING  
JULY 6 - AUG 3



TOPSOIL MOISTURE  
AS OF JULY 25<sup>th</sup>



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 27, 2008:  
Temperatures averaged from 1.2 degrees below normal in the Northeast District to 0.5 degree above normal in the East Central District. Extremes: 40 degrees in Hibbing, 89 degrees in Red Wing. Precipitation averaged from 0.98 inch below normal in the Southeast District to 0.03 inch above normal in the Southwest District. Greatest weekly total was 1.60 inches recorded in Lamberton.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/21/2008 through 7/27/2008

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	52	69.2	-.9	.54	-.13	-1.52	-2.69	1016	-189
Moorhead	86	52	70.9	-.4	.15	-.45	-1.02	1.65	1155	-103
Warroad	80	54	66.2	-1.7	.68	-.09	.11	1.45	907	-149
<u>NC DIST 2</u>										
Grand Rapids	84	50	68.4	.3	.95	-.04	-2.09	1.75	1009	-66
Intl. Falls	78	46	64.1	-2.5	.23	-.48	-.01	3.26	814	-185
Itasca	82	51	67.0	.3	.03	-.82	-1.94	3.31	906	-87
<u>NE DIST 3</u>										
Duluth	80	47	64.6	-1.7	.63	-.29	.40	2.94	847	-62
Grand Marais	82	47	62.8	.6	.06	-.68	-1.17	7.29	537	-66
Hibbing	80	40	64.0	-2.5	.56	-.46	-1.11	1.61	824	-141
<u>WC DIST 4</u>										
Alexandria	83	56	70.8	.1	0	-.69	.42	.15	1113	-97
Browns Valley	87	52	72.6	-.3	.26	-.49	-2.12	2.14	1189	-145
Canby	87	59	73.1	-.6	.40	-.29	-1.46	-.51	1302	-98
Fergus Falls	85	44	68.6	-2.0	0	-.72	-1.09	1.25	1089	-132
Montevideo	83	54	71.0	-1.3	.15	-.57	-1.72	-1.27	1229	-108
Morris	83	52	70.8	-.8	0	-.86	-3.02	-2.16	1161	-141
<u>CENT DIST 5</u>										
Becker	87	56	72.2	1.9	.28	-.65	-2.03	.09	1230	26
Collegeville	85	57	73.4	.7	0	-.77	-2.05	1.44	1275	-79
Hutchinson	87	56	72.2	-.2	0	-.83	-2.53	-1.93	1281	-81
Olivia	85	52	70.6	-.9	.27	-.48	-1.14	-.29	1200	-135
St. Cloud	86	55	71.2	.9	.07	-.64	-1.81	-.30	1171	-33
Staples	80	52	67.0	-1.0	.02	-.75	-.95	.30	981	-101
Willmar	86	56	72.2	.6	0	-.77	-2.64	-3.02	1241	-81
<u>EC DIST 6</u>										
Aitkin	85	52	68.4	1.2	.46	-.57	-1.62	1.13	992	-34
Forest Lake	85	55	70.8	-.4	.49	-.53	-1.56	1.24	1222	-64
MSP Airport	88	63	75.2	1.5	.11	-.78	-1.65	-3.06	1427	27
St. Paul - UofM	86	58	73.3	-.5	.21	-.75	-2.05	-3.45	1389	-48
<u>SW DIST 7</u>										
Lamberton	85	56	72.0	-.2	1.60	.81	-.51	-.45	1311	-77
Pipestone	84	56	70.4	-1.7	.42	-.28	-1.31	-.17	1177	-137
Redwood Falls	87	54	72.2	-1.6	.70	-.13	-1.84	-1.06	1317	-138
Worthington	85	58	70.9	-.3	.80	.05	.15	3.31	1291	-6
<u>SC DIST 8</u>										
Faribault	85	56	71.6	-.1	.99	.01	-.90	1.23	1254	-60
Mankato	84	57	70.9	-1.5	.33	-.59	-.60	-1.35	1274	-92
Waseca	84	56	70.7	-.8	.13	-.90	1.11	2.16	1267	-74
Winnebago	86	57	71.6	-.8	.16	-.76	-1.82	.39	1355	-30
<u>SE DIST 9</u>										
Preston	87	53	70.8	.1	0	-1.06	-1.69	8.36	1241	-14
Red Wing	89	58	72.0	-.6	.01	-.94	-1.30	.23	1295	-53
Rochester	84	56	70.4	-.0	.03	-1.02	-1.76	2.83	1305	63
Rosemount	85	56	71.4	.1	.10	-.95	-1.44	-.57	1243	-52
Winona	84	60	71.0	-4.1	0	-.95	.59	6.49	1244	-253

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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